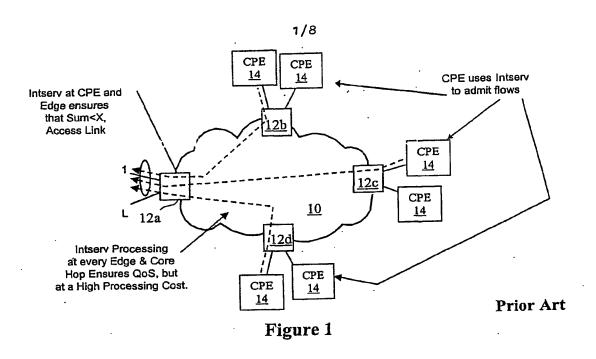Docket No.: RIC01060N
Appln No.: To Be Assigned
Title: System, Method & Apparatus that Isolate Virtual Private Network (VPN)...
Inventors: David E. McDysan
Confirmation No.: Unassigned

Sheets of Drawings: 1 of 8

1/8

Intserv at CPE and
Edge ensures
that Sum<X,
Access Link

CPE uses Intserv
to admit flows

Intserv Processing
at every Edge & Core
Hop Ensures QoS, but
at a High Processing Cost.

Prior Art

Figure 1

Sum>X,
Access Link
Overloaded

CPE does Diffserv
Marking up to aggregate
destination-independent
traffic level

Diffserv Processing
at every Edge & Core
Hop Ensures Relative
Priority

Prior Art

Figure 2

Docket No.: RIC01060N
Appln No.: To Be Assigned
Title: System, Method & Apparatus that Isolate Virtual Private Network (VPN)...
Inventors: David E. McDysan
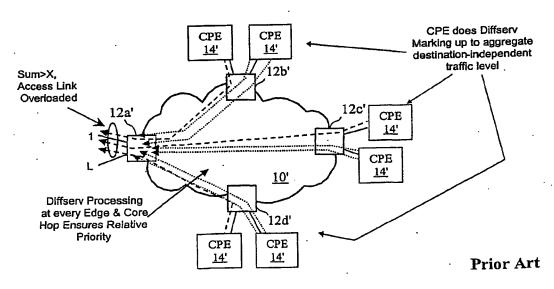Confirmation No.: Unassigned
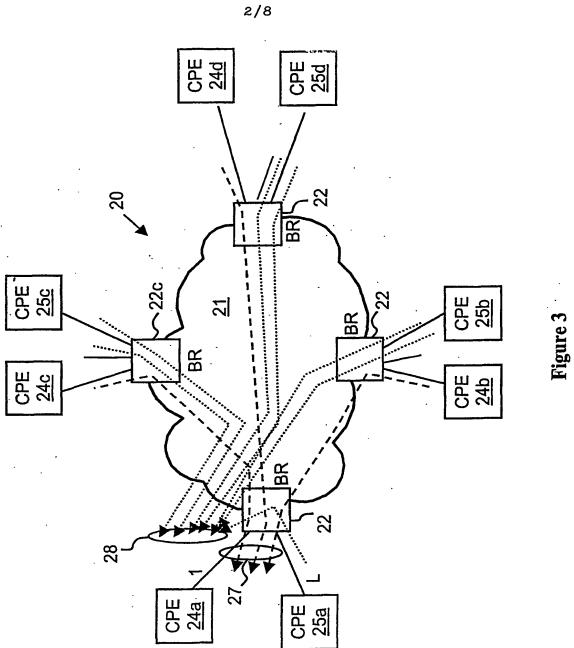
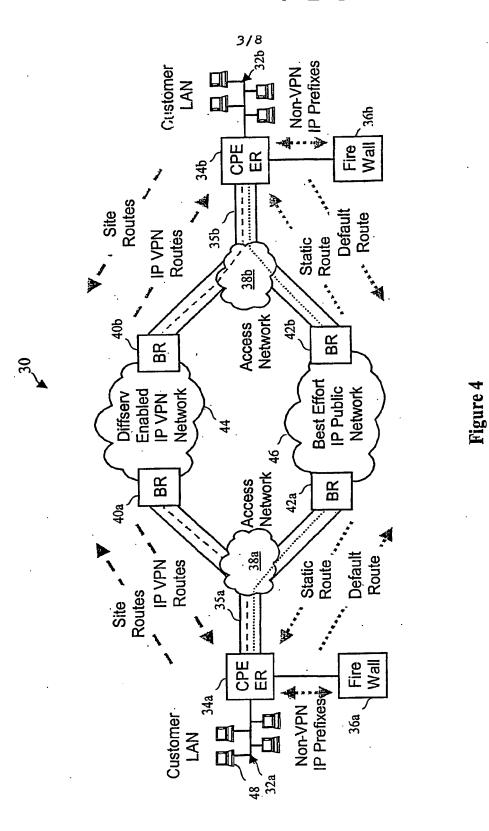Sheets of Drawings: 2 of 8

2/8

Figure 3

Docket No.: RIC01060N
Appln No.: To Be Assigned
Title: System, Method & Apparatus that Isolate Virtual Private Network (VPN)...
Inventors: David E. McDysan
Confirmation No.: Unassigned
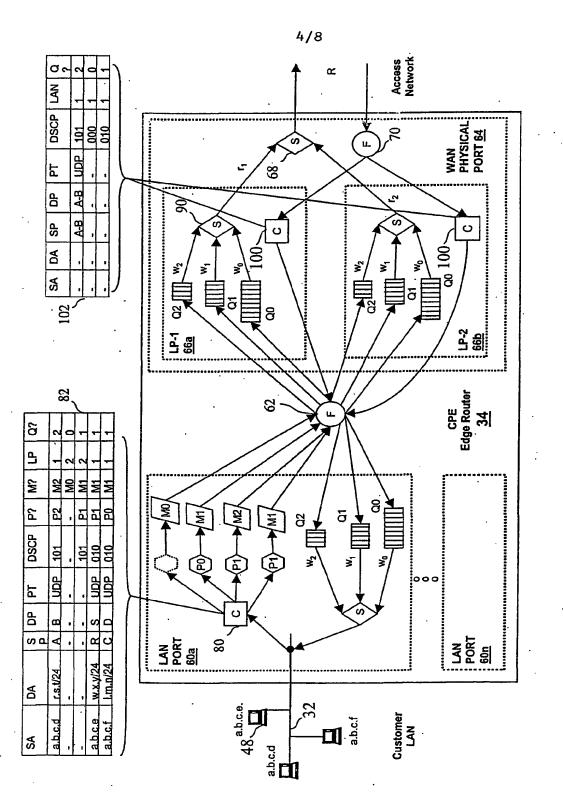
Sheets of Drawings: 3   of   8

3 / 8

Figure 4

Docket No.: RIC01060N
Appln No.: To Be Assigned
Title: System, Method & Apparatus that Isolate Virtual Private Network (VPN)...
Inventors: David E. McDysan
Confirmation No.: Unassigned

Sheets of Drawings: 4 of 8

4/8

SA	DA	SP	DP	PT	DSCP	LAN	Q
-	-	A-B	A-B	UDP	101	1	2
-	-	-	-	-	000	1	0
-	-	-	-	-	010	1	1

SA	DA	SP	DP	PT	DSCP	P?	M?	LP	Q?
a.b.c.d	r.s.t/24	A	B	UDP	101	P2	M2	1	2
-	-	-	-	-	-	-	M0	2	0
a.b.c.e	w.x.y/24	R	S	UDP	101	P1	M1	2	1
a.b.c.f	l.m.n/24	C	D	UDP	010	P0	M1	1	1

Figure 5

Docket No.: RIC01060N
Appln No.: To Be Assigned
Title: System, Method & Apparatus that Isolate Virtual Private Network (VPN)...
Inventors: David E. McDysan
Confirmation No.: Unassigned
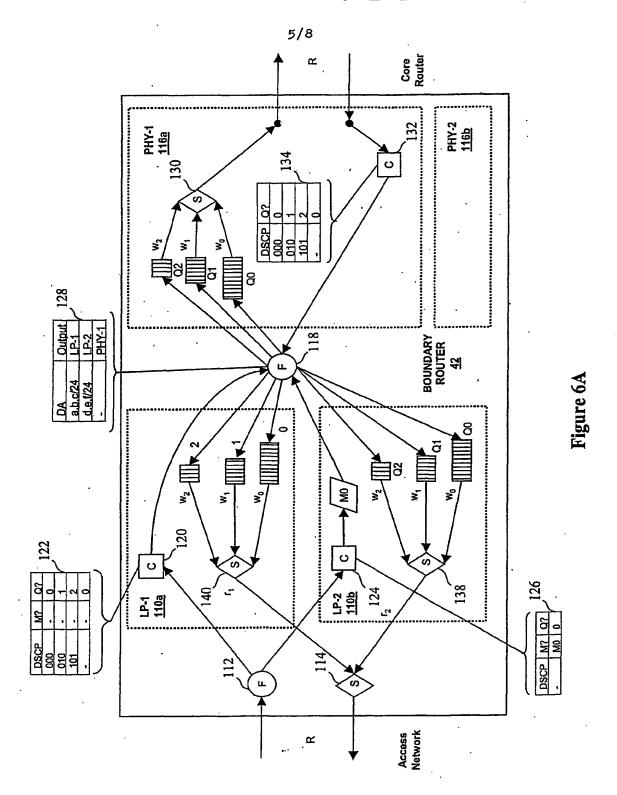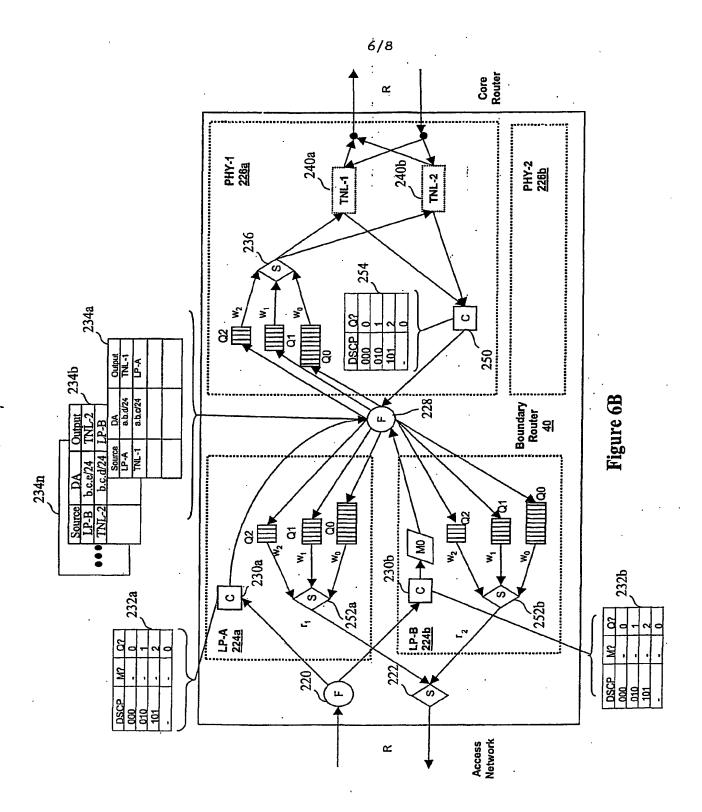
Sheets of Drawings: 5 of 8

5/8

Figure 6A

Docket No.: RIC01060N
Appln No.: To Be Assigned
Title: System, Method & Apparatus that Isolate Virtual Private Network (VPN)...
Inventors: David E. McDysan
Confirmation No.: Unassigned

Sheets of Drawings: 6 of 8

6/8

Figure 6B

Docket No.: RIC01060N
Appln No.: To Be Assigned
Title: System, Method & Apparatus that Isolate Virtual Private Network (VPN)...
Inventors: David E. McDysan
Confirmation No.: Unassigned
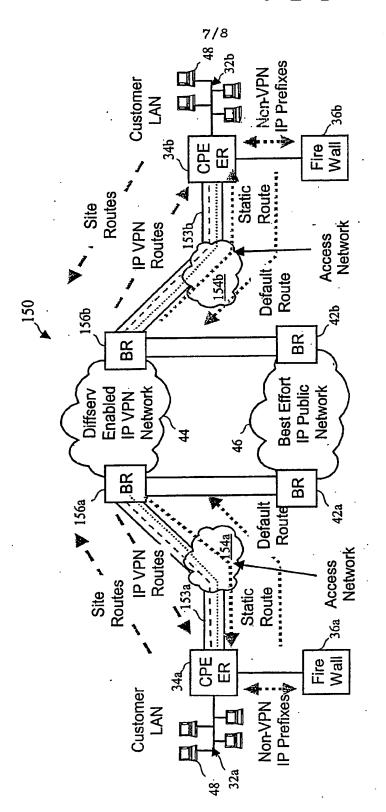
Sheets of Drawings: 7 of 8

7/8

Figure 7

Docket No.: RIC01060N
Appln No.: To Be Assigned
Title: System, Method & Apparatus that Isolate Virtual Private Network (VPN)...
Inventors: David E. McDysan
Confirmation No.: Unassigned

Sheets of Drawings: 8   of   8

8/8

Figure 8